

Title (en)
BATTERY PACK

Title (de)
BATTERIEPACK

Title (fr)
BLOC-BATTERIE

Publication
EP 3657593 A1 20200527 (EN)

Application
EP 18884322 A 20181128

Priority
• KR 20170160050 A 20171128
• KR 2018014864 W 20181128

Abstract (en)
A battery pack according to the present disclosure may include: a first charging contactor and a second charging contactor; a first measurement resistor, a second measurement resistor and a third measurement resistor electrically connected to at least two of one ends and the other ends of the first charging contactor and the second charging contactor; a first measurement contactor, a second measurement contactor and a third measurement contactor electrically connected to at least one of the first measurement resistor, the second measurement resistor and the third measurement resistor; and a control unit configured to control an operation state of at least one of the first measurement contactor, the second measurement contactor and the third measurement contactor based on whether at least one of a charging start request signal and a charging end request signal is received.

IPC 8 full level
H01M 10/42 (2006.01); **H01M 10/46** (2006.01); **H01M 10/48** (2006.01); **H01M 50/204** (2021.01)

CPC (source: EP KR US)
G01R 31/3277 (2013.01 - EP KR); **H01M 10/42** (2013.01 - EP); **H01M 10/4257** (2013.01 - KR); **H01M 10/441** (2013.01 - KR US); **H01M 10/46** (2013.01 - EP KR US); **H01M 10/48** (2013.01 - EP KR US); **H01M 10/482** (2013.01 - EP KR US); **H01M 50/204** (2021.01 - EP KR US); **H01M 50/249** (2021.01 - KR); **H01M 50/296** (2021.01 - KR); **H01M 50/569** (2021.01 - KR); **H02J 7/0032** (2013.01 - EP KR); **H02J 7/0045** (2013.01 - KR US); **H02J 7/0047** (2013.01 - EP KR US); **H01M 2010/4271** (2013.01 - KR); **H01M 2200/00** (2013.01 - KR US); **H01M 2220/20** (2013.01 - KR US); **H02J 2310/48** (2020.01 - EP KR); **Y02E 60/10** (2013.01 - EP KR)

Cited by
FR3129734A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3657593 A1 20200527; **EP 3657593 A4 20201021**; **EP 3657593 B1 20211110**; CN 110574218 A 20191213; CN 110574218 B 20230418; JP 2020518946 A 20200625; JP 6816337 B2 20210120; KR 102256094 B1 20210525; KR 20190061550 A 20190605; PL 3657593 T3 20220124; US 11233281 B2 20220125; US 2020203781 A1 20200625; WO 2019107935 A1 20190606

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